

FIG. 1

FIG. 1A	FIG. 1B	FIG. 1C
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FIG. 1A

CALIBRATION EXECUTION REQUEST DETAILED STATUS	
BIT	CONTENTS
1 st BIT	-
2 nd BIT	DENSITY CONTROL EXECUTION REQUEST
3 rd BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST
4 th BIT	-
5 th BIT	LASER INTENSITY MEASUREMENT EXECUTION REQUEST
6 th BIT	DRUM PHASE ADJUSTMENT EXECUTION REQUEST
7 th BIT	-
8 th BIT	-
9 th BIT	-
10 th BIT	-
11 th BIT	-
12 th BIT	-
13 th BIT	-
14 th BIT	-
15 th BIT	-
16 th BIT	PARTY BIT

FIG. 1B

S31

DENSITY CONTROL EXECUTION REQUEST FACTOR STATUS	
BIT	CONTENTS
1st BIT	-
2nd BIT	DENSITY CONTROL EXECUTION REQUEST AT POWER-ON
3rd BIT	DENSITY CONTROL EXECUTION REQUEST FOR EACH PAGE COUNT
4th BIT	DENSITY CONTROL EXECUTION REQUEST AT A CERTAIN ELAPSED TIME
5th BIT	DENSITY CONTROL EXECUTION REQUEST AT ENVIRONMENTAL CHANGE
6th BIT	DENSITY CONTROL EXECUTION REQUEST AT RETURN FROM SLEEP
7th BIT	DENSITY CONTROL EXECUTION REQUEST WHEN NUMBER OF SHEETS PRINTED FROM NEW CRG BECOMES A CERTAIN NUMBER
8th BIT	-
9th BIT	DENSITY CONTROL EXECUTION REQUEST AT CRG EXCHANGE
10th BIT	-
11th BIT	-
12th BIT	-
13th BIT	-
14th BIT	-
15th BIT	-
16th BIT	PARITY BIT

(A)

FIG. 1C

S32

→ (B)

COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST FACTOR STATUS	
BIT	CONTENTS
1 st BIT	-
2 nd BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT POWER-ON
3 rd BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST FOR EACH PAGE COUNT
4 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT A CERTAIN ELAPSED TIME
5 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT ENVIRONMENTAL CHANGE
6 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT RETURN FROM SLEEP
7 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST WHEN NUMBER OF SHEETS PRINTED FROM NEW CRG BECOMES A CERTAIN NUMBER
8 th BIT	-
9 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT CRG EXCHANGE
10 th BIT	-
11 th BIT	-
12 th BIT	-
13 th BIT	-
14 th BIT	-
15 th BIT	-
16 th BIT	PARITY BIT

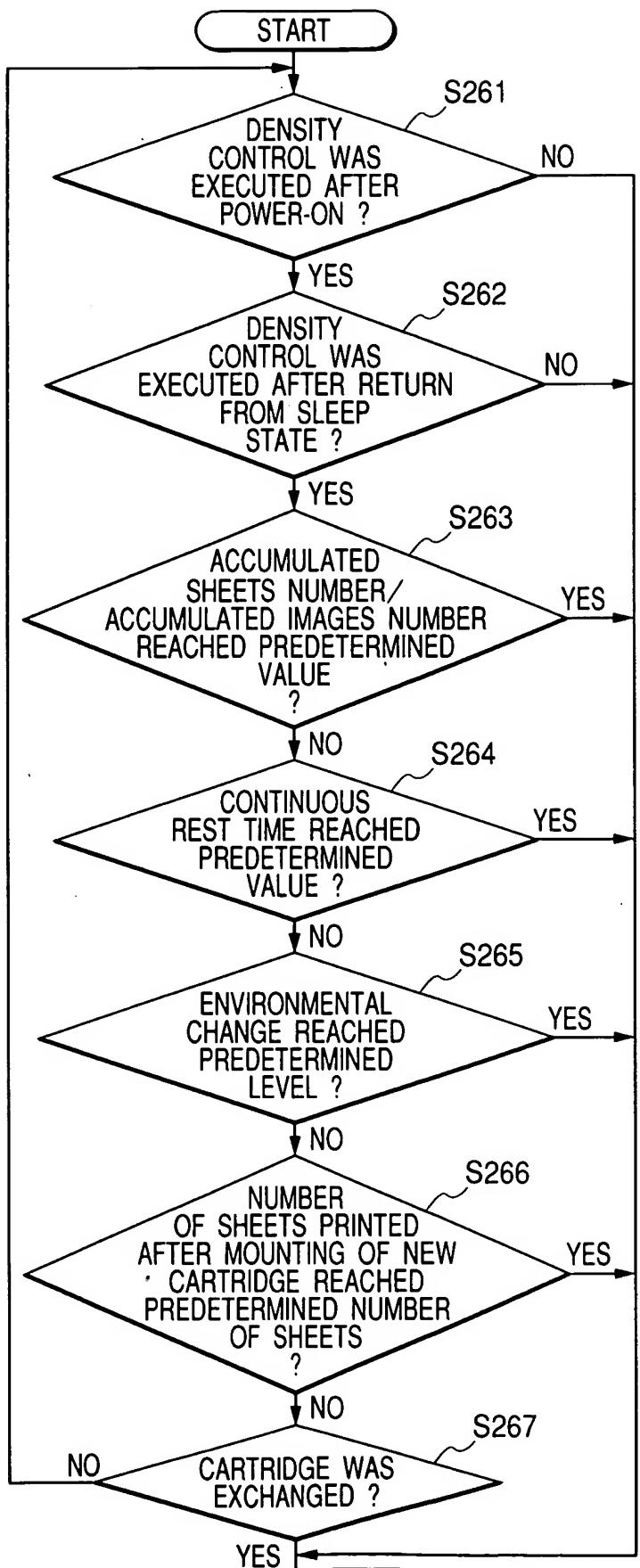
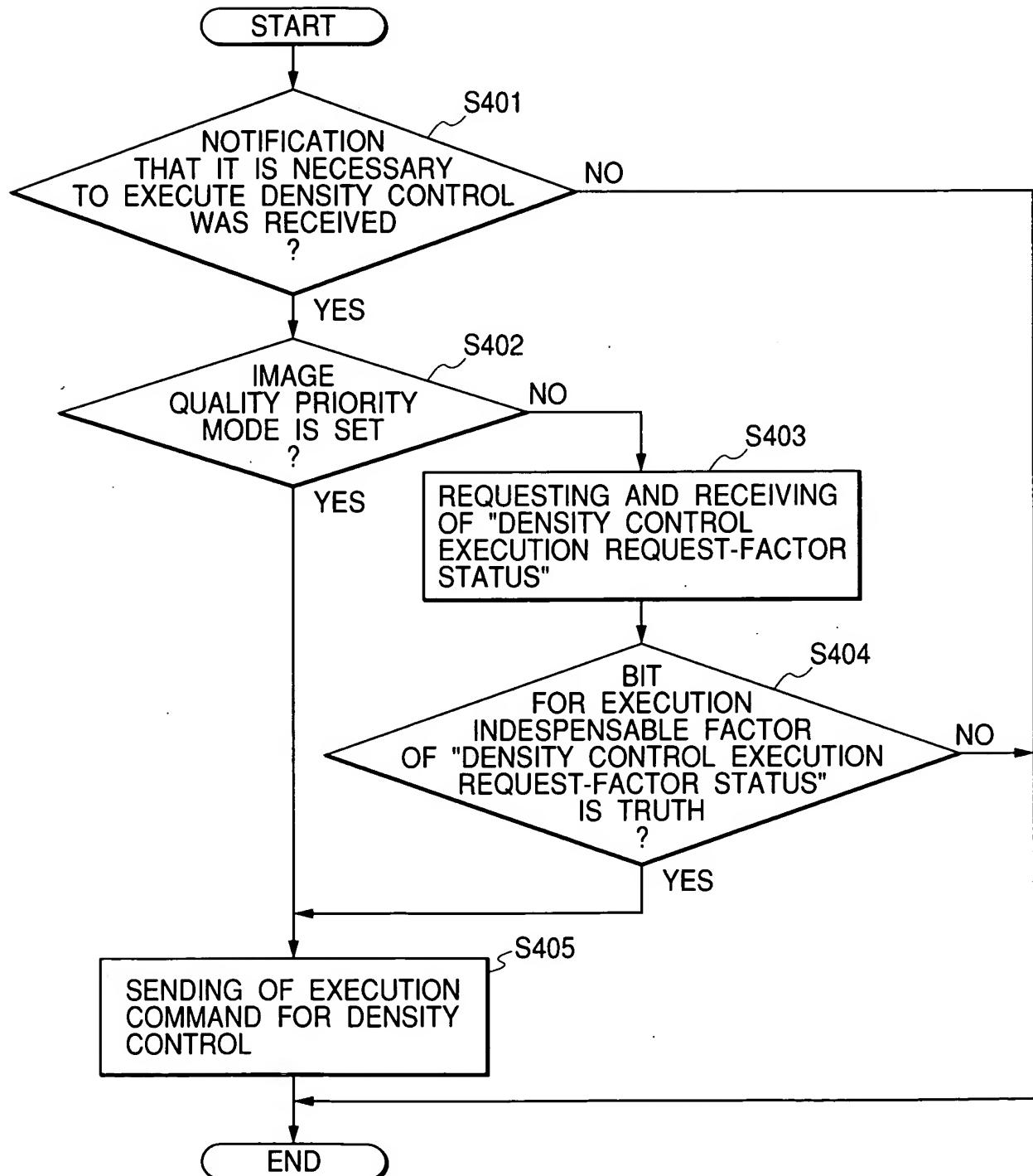


FIG. 2

FIG. 3



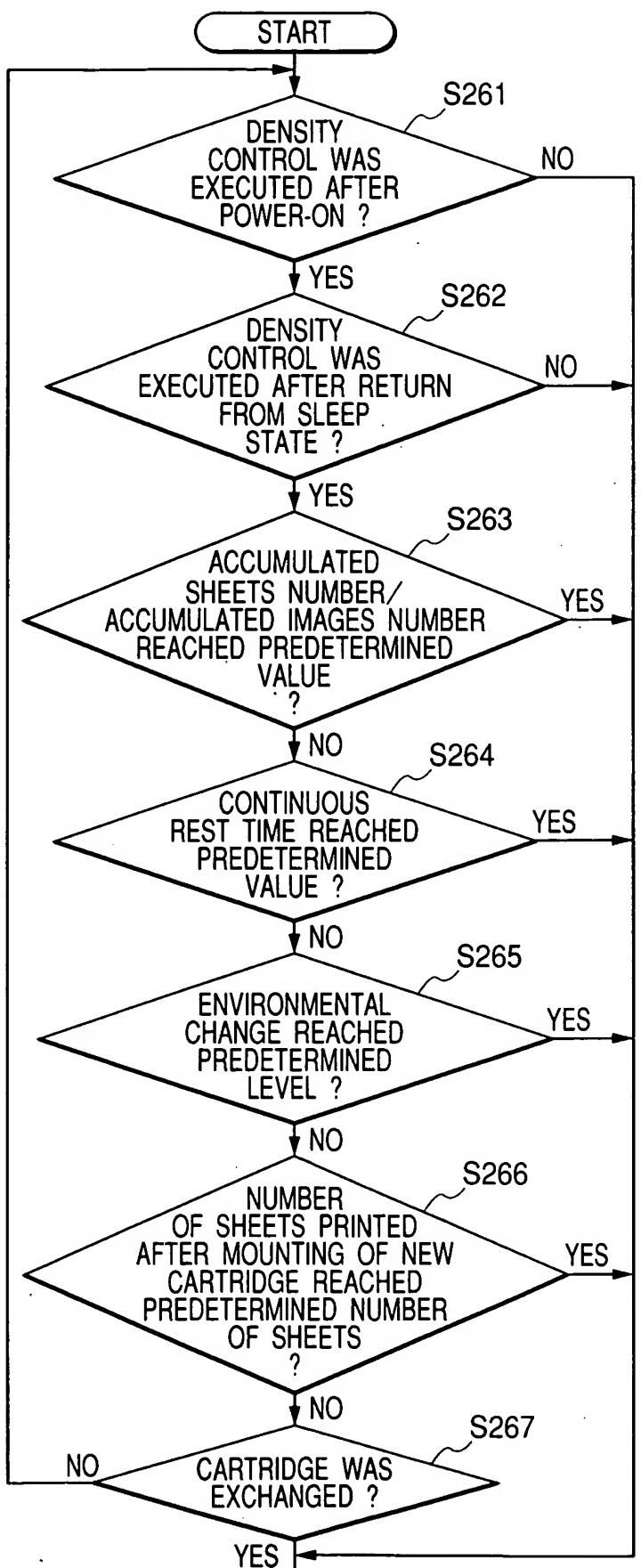


FIG. 4

FIG. 5

FIG. 5A	FIG. 5B	FIG. 5C
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FIG. 5A

S30

CALIBRATION EXECUTION REQUEST DETAILED STATUS	
BIT	CONTENTS
1 st BIT	-
2 nd BIT	DENSITY CONTROL EXECUTION REQUEST
3 rd BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST
4 th BIT	-
5 th BIT	LASER INTENSITY MEASUREMENT EXECUTION REQUEST
6 th BIT	DRUM PHASE ADJUSTMENT EXECUTION REQUEST
7 th BIT	-
8 th BIT	-
9 th BIT	-
10 th BIT	-
11 th BIT	-
12 th BIT	-
13 th BIT	-
14 th BIT	-
15 th BIT	-
16 th BIT	PARTY BIT

A

B

FIG. 5B

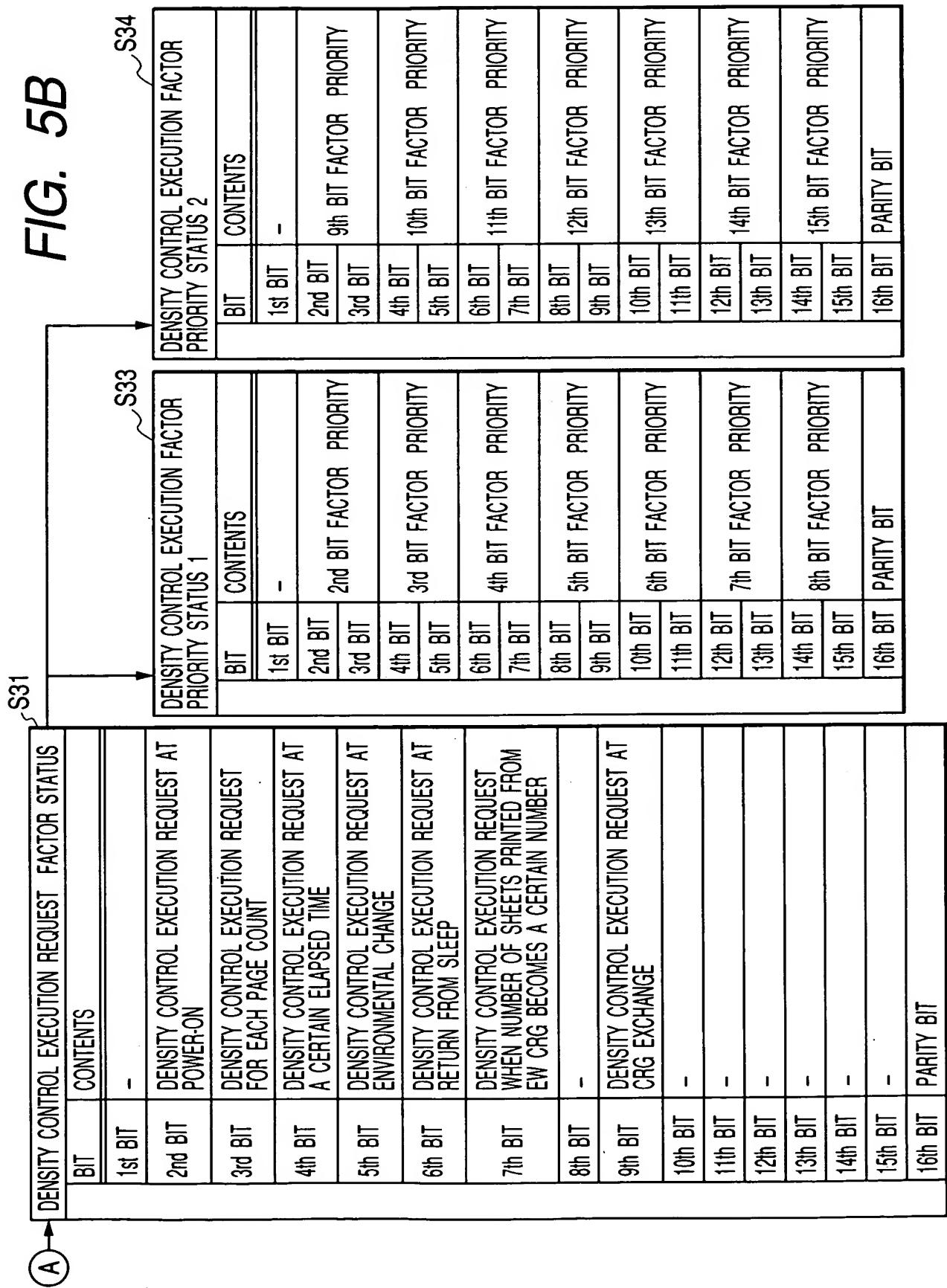


FIG. 5C

→ (B) → S32

COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST FACTOR STATUS	
BIT	CONTENTS
1 st BIT	-
2 nd BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT POWER-ON
3 rd BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST FOR EACH PAGE COUNT
4 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT A CERTAIN ELAPSED TIME
5 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT ENVIRONMENTAL CHANGE
6 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT RETURN FROM SLEEP
7 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST WHEN NUMBER OF SHEETS PRINTED FROM NEW CRG BECOMES A CERTAIN NUMBER
8 th BIT	-
9 th BIT	COLOR MISREGISTRATION AMOUNT MEASUREMENT EXECUTION REQUEST AT CRG EXCHANGE
10 th BIT	-
11 th BIT	-
12 th BIT	-
13 th BIT	-
14 th BIT	-
15 th BIT	-
16 th BIT	PARITY BIT

FIG. 6

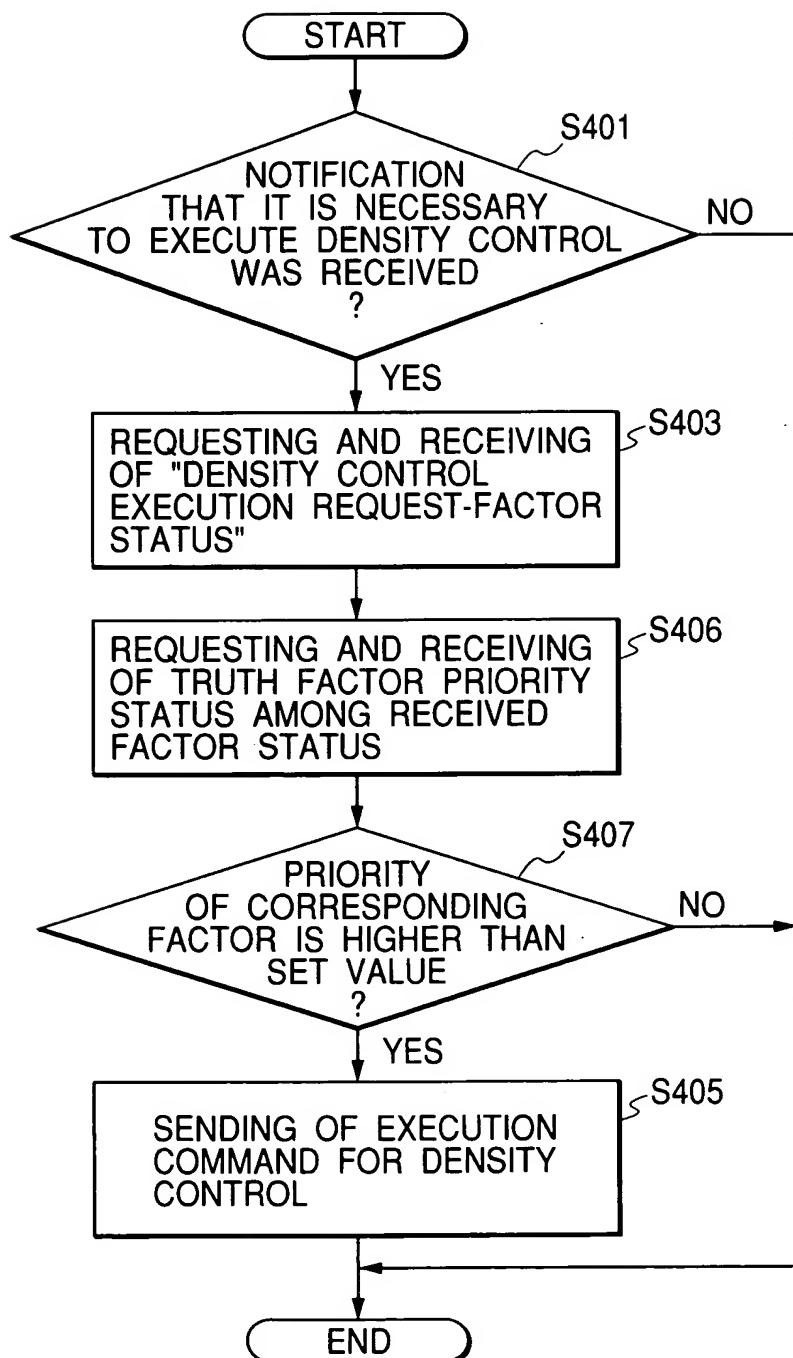


FIG. 7

DENSITY CONTROL EXECUTION REQUEST GENERATION FACTOR	PRIORITY
DENSITY CONTROL EXECUTION REQUEST AT POWER-ON	2
DENSITY CONTROL EXECUTION REQUEST FOR EACH PAGE COUNT	1
DENSITY CONTROL EXECUTION REQUEST AT A CERTAIN ELAPSED TIME	0
DENSITY CONTROL EXECUTION REQUEST AT ENVIRONMENTAL CHANGE	1
DENSITY CONTROL EXECUTION REQUEST AT RETURN FROM SLEEP	0
DENSITY CONTROL EXECUTION REQUEST WHEN NUMBER OF SHEETS PRINTED FROM NEW CRG BECOMES A CERTAIN NUMBER	2
DENSITY CONTROL EXECUTION REQUEST AT CRG EXCHANGE	3

FIG. 8

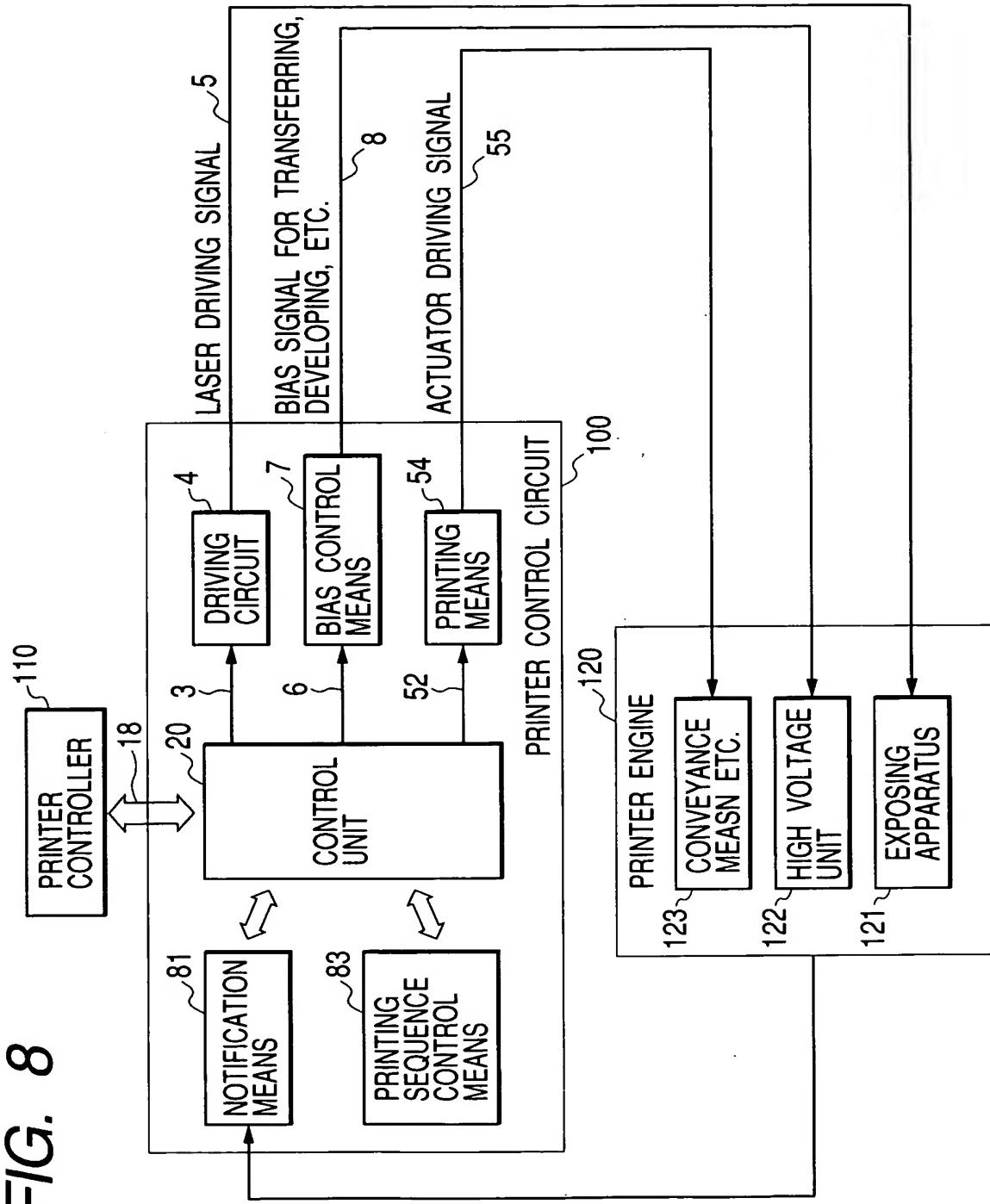


FIG. 9

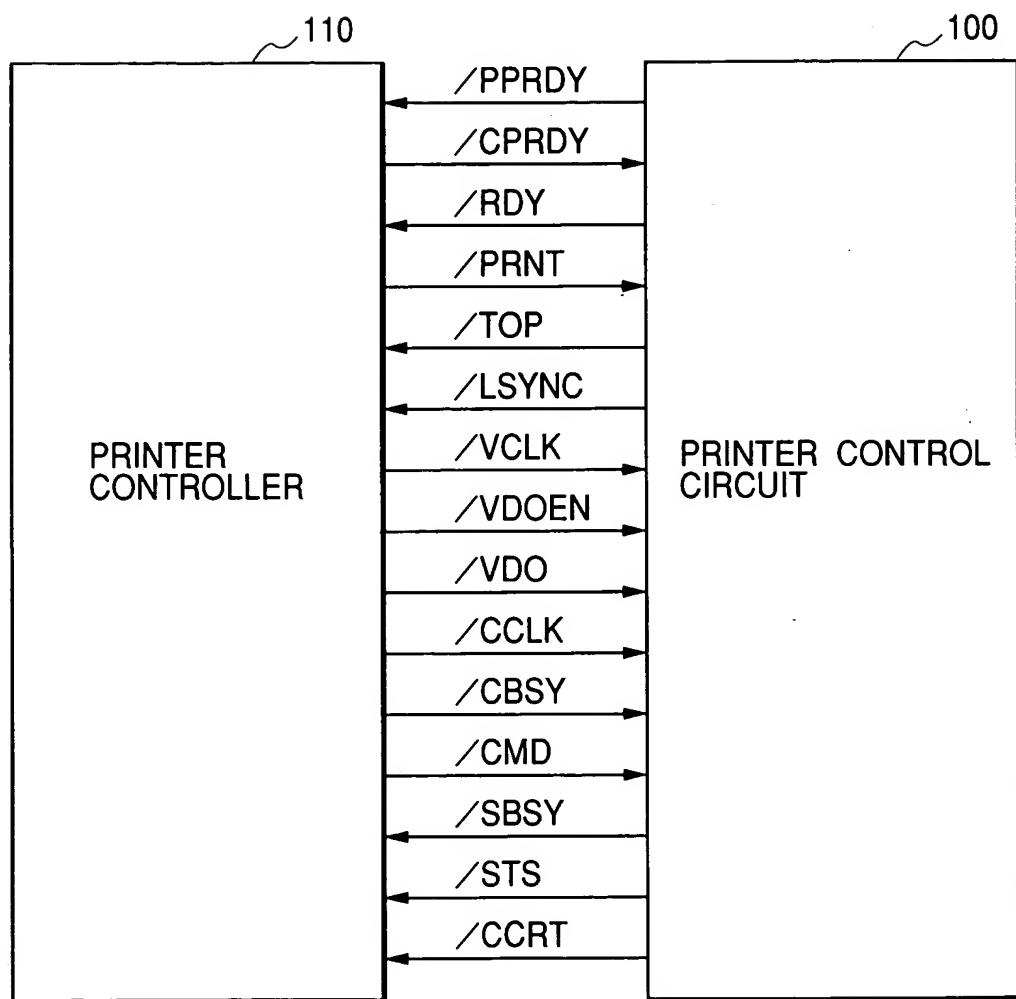


FIG. 10

SIGNAL NAME	ABBRIVATION CODE	DIRECTION OF SIGNAL
PRINTER POWER READY	/PPRDY	CONTROLLER ← PRINTER
CONTROLLER POWER READY	/CPRDY	CONTROLLER → PRINTER
READY	/RDY	CONTROLLER ← PRINTER
PRINT	/PRINT	CONTROLLER → PRINTER
TOP OF PAGE	/TOP	CONTROLLER ← PRINTER
LINE SYNCHRONIZATION	/LSYNC	CONTROLLER ← PRINTER
VIDEO CLOCK	/VCLK	CONTROLLER → PRINTER
IMAGE ENABLE	/VDOEN	CONTROLLER → PRINTER
IMAGE	/VDO	CONTROLLER → PRINTER
CONTROLLER CLOCK	/CCLK	CONTROLLER → PRINTER
COMMAND BUSY	/CBSY	CONTROLLER → PRINTER
COMMAND	/CMD	CONTROLLER → PRINTER
STATUS BUSY	/SBSY	CONTROLLER ← PRINTER
STATUS	/STS	CONTROLLER ← PRINTER
SPEED CHANGE	/SPCHG	CONTROLLER ← PRINTER
PAPER DELIVERY	/PDLV	CONTROLLER ← PRINTER
TOP OF PAPER	/TOPR	CONTROLLER ← PRINTER
CONDITION CHANGE NOTIFICATION	/CCRT	CONTROLLER ← PRINTER

FIG. 11

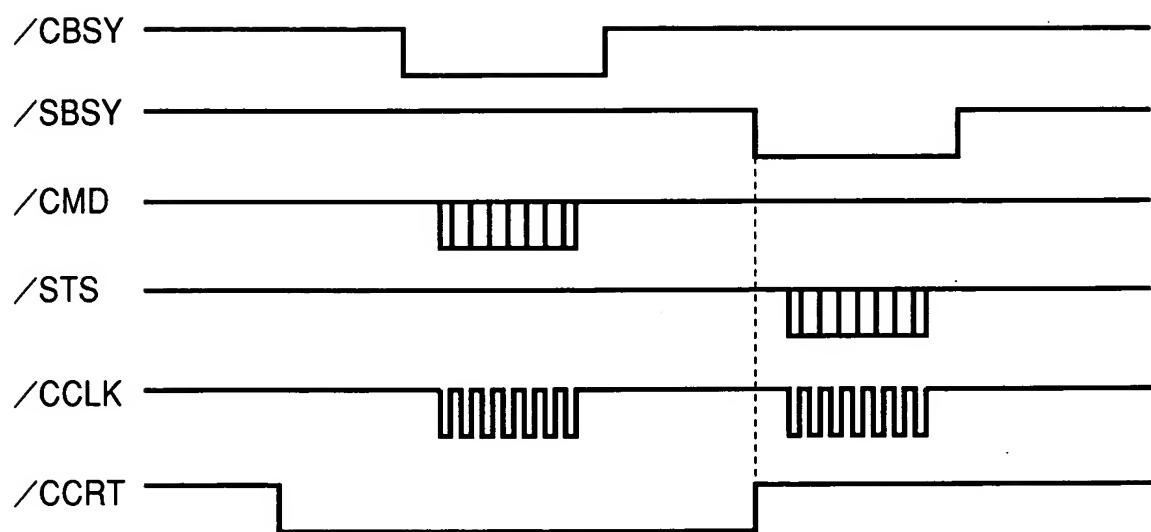


FIG. 12

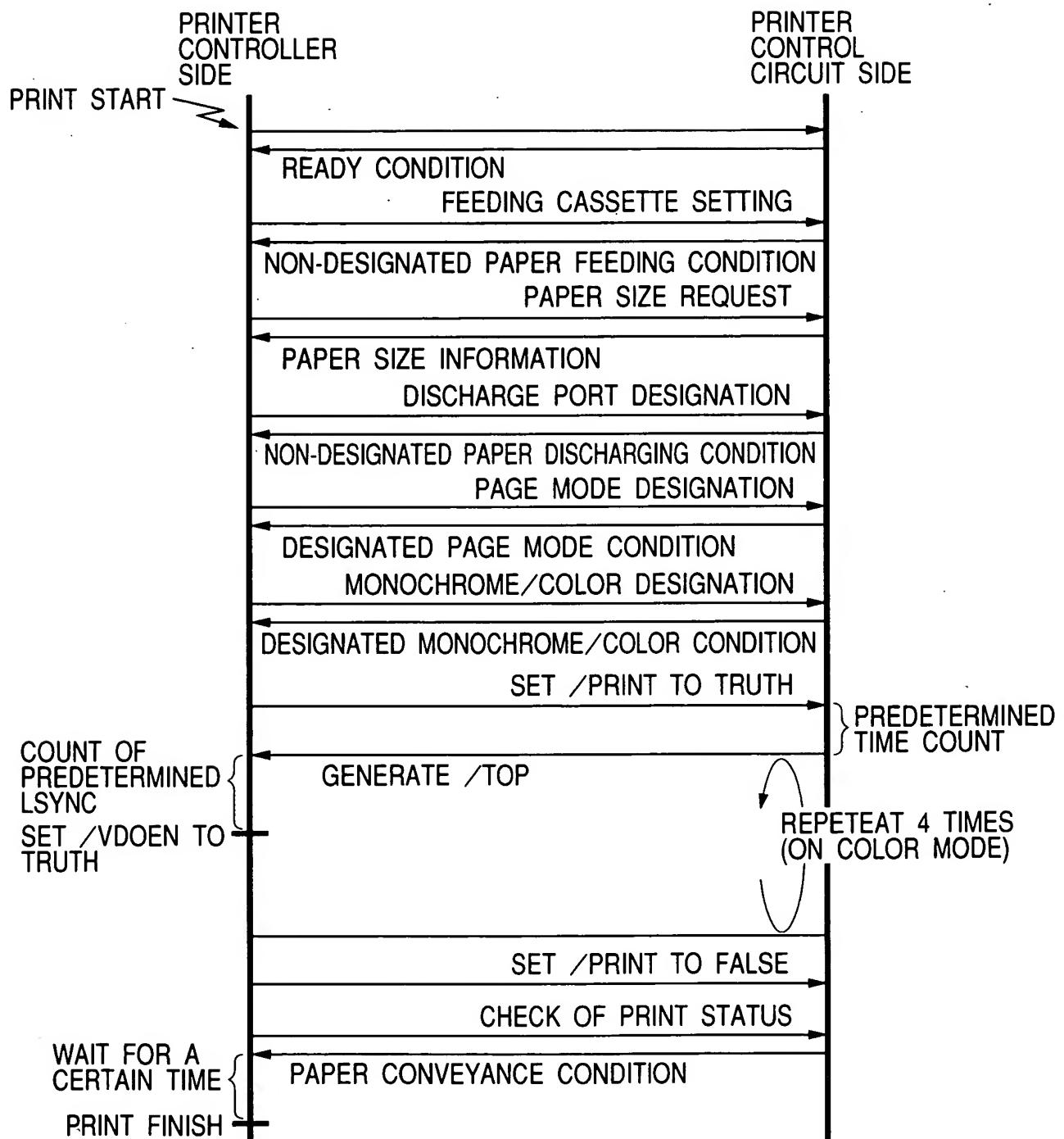


FIG. 13

